BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1500000.00

Name of Work: Detailed Estimate for the work of Providing Asphalting to Old post office road in ward No- 01 of Yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300- Secarifying the surface and dressing KSRRB 300-44 Scarifying top bituminous surface or surface dressing or premix carpet including picking up scarified materials, stacking of id serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications MORTH chapter 3, No 155/ Item No 19.50/ PWD SR 2012-13	sqm							
	old post office road		1	180.00	5.00		900.00		
							900.00	17.93	16135.20
	Basic Rate	16.90							
	Area Weighlage @ 8%	1.33							
	Total	17.93							
2	KSRRB M400-17 Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed material of upper to site laying in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications MORTH specification NO 406 No 166/ Item No 20.15/ PWD SR 2012-13	cum							
	old post office road		1	180.00	5.00	0.20	180.00		
	for BWSSB road cuting portion		1	350.00	1.50	0.20	105.00		
							285.00	1059.48	301952.00
	Basic Rate	981.00							
	Area Weighlage @ 8%	78.48							
	Total	1059.48							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications MORTH chapter 5, No. 171/ Item No. 21.2/ PWD SR 2012-13	sqm							
			1	350.00	5.00		1750.00		
							1750.00	2.38	4165.00
	Basic Rate	2.20							
	Area Weightage @ 8%	0.18							
	Total	2.38							
4	KSRRB M500-6: providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications MORTH-specification NO. 502 No. 171/	sqm							
			1	150.00	5.00		900.00		
			1	350.00	5.00		1750.00		
							2650.00	42.83	113507.00
	Basic Rate	39.68							
	Area Weightage @ 8%	3.17							
	Total	42.83							
5	KSRRB 530-11: Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with P.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed materials in tipper to paver and laying mixed materials with paver finisher to the required level and grade rolling by power roller to achieve the desired density, 50 / 75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with seal coat, 1km including cost of all materials, labour, HOM of machineries complete as per specifications MORTH chapter 5 With 60 / 70 grade bitumen No. 172/ Item No. 21.11/ PWD SR 2012-13	cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	for BWSSB road cuting portion and camber correction								
			1	180.00	2.80	0.050	25.20		
			1	350.00	2.00	0.050	35.00		
							60.20	6455.69	388632.00
	Basic Rate	5977.49							
	Area Weightage @ 8%	478.20							
	Total	6455.69							
6	KSRRB 500-7 providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials labour HOM of machineries complete as per specifications MORTH chapter 5, No 172/ Item No 21.7/ PWD SR 2012-13	sqm							
			Qty same item 4				2650.00	17.12	45363.00
	Basic Rate	15.85							
	Area Weighlage @ 8%	1.27							
	Total	17.12							
7	KSRRB M520-18 Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing and average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 6% of mix and filler transporting the hot mix to work site laying with a hydrostatic paver finisher with sensor control to the required grade level and alignment, rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No 500-8 complete in all respects as per specifications P No 174/ Item No 21.21/ PWD SR 2012-13	cum							
			1	180.00	5.00	0.025	22.50		
			1	350.00	5.00	0.025	43.75		
							66.25	9241.80	612269.00
	Basic Rate	8557.22							
	Area Weighlage @ 8%	684.58							
	Total	9241.80							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRRB M800-112 Painting lines dashes arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to IS 164 on bituminous surface including cleaning the surface of all dirt dust and other foreign matter demarcation at site and traffic control complete as per specification i) Upto 10cm in width MORTH specification No. 803 No. 193/ Item No 24 12/ PWD SR 2012 13	sqm							
			3	180.00	0.10		54.00		
			3	360.00	0.10		105.00		
							159.00	87.48	13909.00
	Basic Rate	81.00							
	Area Weightage @ 8%	6.48							
	Total	87.48							
9	Miscellaneous charges								2074.00
								Total	15000.00
(Rupees fifteen Lakhs Only)									

CERTIFICATE

1 The work spot has been inspected and the work is found necessary
2 This estimate is prepared as per C S R of 2012-13
3 The provisions were made in this estimate are necessary and adequate.
4 The works come under B B M P limits

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

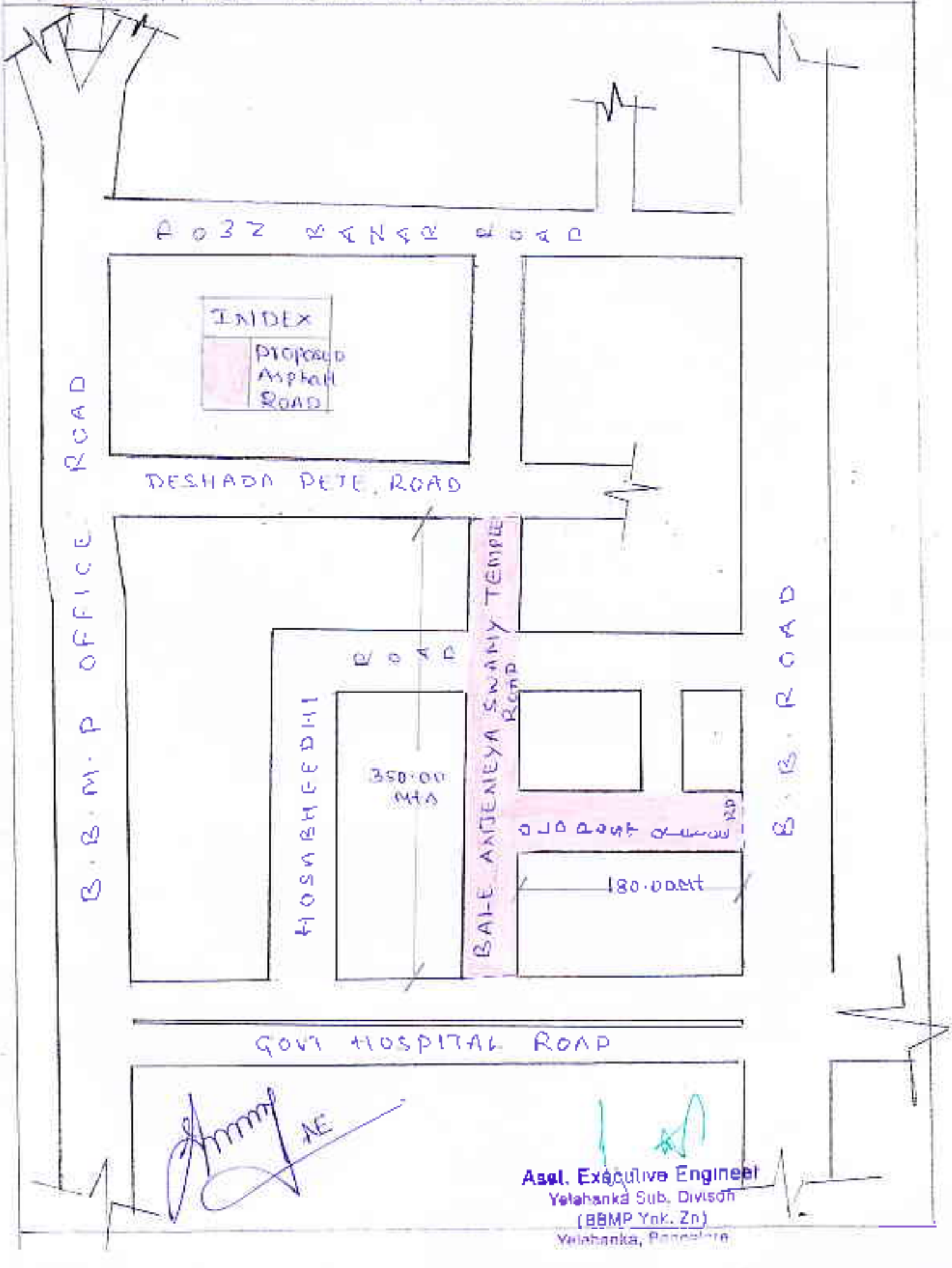
Executive Engineer
Yelahanka Division
Bangalore-64

ADMINISTRATIVELY SANCTIONED FOR Rs 15 Lakhs
Rupees Fifteen Lakhs only
Under P 2201 CM. Grants
Registered as SR ( ) No 3 9
Subject to conditions contained in
endorsement memo (F) No 981 dt 2012-13
Dt 1/3/2013
Executive Engineer
981 2012-13
date 01/3/2013
15 Lakhs

15.00 lacs
Fifteen Lakhs only
P - 2201
EE/YNK/TS/151/12-13 15/
Date 04-3-2013 15.00 La

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92.

NAME OF WORK :- Providing Asphalting to old Post office Road in ward no. 01 of Ynk. Sub Div



AE

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore